



(19)

(11) Publication number:

01315361 A

Generated Document.

PATENT ABSTRACTS OF JAPAN(21) Application number: **63145061**(51) Intl. Cl.: **B05B 5/04 B05D 1/04 B05D 1/40**(22) Application date: **13.06.88**

(30) Priority:

(43) Date of application
publication: **20.12.89**(84) Designated contracting
states:(71) Applicant: **TOYOTA MOTOR CORP**(72) Inventor: **OHASHI YUTAKA
FUKUDA TOKUHITO**

(74) Representative:

**(54) METHOD AND
APPARATUS FOR ROTARY
ATOMIZATION
ELECTROSTATIC
COATING**

(57) Abstract:

PURPOSE: To secure required lightness of metallic coating by setting the relation of both the number of revolutions of a belllike cap and the radius thereof in the specified relation and controlling shaping air so that air velocity of the vertical direction on the surface of a material to be coated is regulated to specified value or more.

CONSTITUTION: The relation of both the number of revolutions C (revolution/ second) of a belllike cap 3 and the radius R (m) thereof is set in $R \times C^2 \leq 5000$ preferably $R \times C^2 \leq 2000$. Furthermore shaping air of a rotary atomization electrostatic coating apparatus is controlled so that air velocity of the vertical direction on the surface of a material to be

coated is regulated to $\geq 10\text{m}/\text{second}$ preferably $\geq 15\text{m}/\text{second}$. As a result, breaking and deformation of pigment are inhibited and thereby required lightness can be secured even when metallic coating is coated.

COPYRIGHT: (C)1989,JPO&Japio

